EXHIBIT 1
DATE 4/6/09
SB 498

Addressing CCS Liability

Using a Risk Log to Better Define "Liability" and Consider Mitigation Options

Presentation to Edison Foundation

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Washington, DC

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Sample of Risk Log

1. Siting	2. Construction	3. Operation	4. Closure	5. Post Closure	6. LT Maintenance & Stewardship
12-36 months	12-36 months	1-30 years +	12-36 months	Time limit or Performance driven	Indefinite post closure
1.1 Worker safety 1.2 Damage to private property 1.3 Incomplete site characterizati on 1.4 Public Opposition 1.5 Failure to obtain access or storage rights 1.6 Failure to obtain permit 1.7 Drilling "dry hole's)"	2.1 Worker safety 2.2 Damage to private property 2.3 Damage to confinement zone (by fracturing a cap for example) 2.4 Contractor delays / cost over-runs 2.5 Poor well construction 2.6 Failure to adequately complete old wells/boreholes	3.1 Worker safety – OSHA 3.2 Worker safety – CO_2 exposure 3.3 Groundwater: mechanical failure 3.4 Groundwater: confinement zone failure 3.5 Property damage (mineral rights) 3.6 Ecosystem degradation (terrestrial or aquatic) 3.7 Public exposure to CO_2 release (surface pipeline leak, borehole, well blow out) 3.8 Prolonged atmospheric release	4.1 Worker safety 4.2 Improper well abandonment 4.3 Failure to adequately install MMV system 4.4 Materials failure	5.1 Groundwater: CO_2 and geochemical reaction products 5.2 Groundwater: brine or gas displacement 5.3 Subsurface property damage (mineral rights) 5.4 Ecosystem degradation (terrestrial or aquatic) 5.5 Public exposure to CO_2 5.6 Atmospheric release 5.7 Lawsuits	6.1 LT groundwater contamination 6.2 LT Subsurface property damage (mineral rights) 6.3 LT ecosystem degradation (terrestrial or aquatic) 6.4 LT public exposure to CO_2 6.5 LT atmospheric release (loss of credits / compliance) 6.6 LT lawsuits 6.7 LT third party damage to confinement zone 6.8 Seismicity 6.9 Change in law